
24V IP20 High Output LED Tape 5m

User Manual

Introduction

Lyyt IP20 High Output LED Tape is supplied on 5m reels and operates from a 24Vdc power supply. The tape consists of 120 LED's per metre and is available in either 3000K Warm White or 6000K Cool White varieties. The tape can be cut to the desired length on the designated cutting points every 5cm.

The 24V High Output LED Tape has a wide variety of applications such as in hospitality, retail, offices, displays, exhibitions and more. IP20 versions are for indoor use only.

Specification

Colour temperature	156.786UK: 3000K, 156.788UK: 6000K
Voltage	24Vdc
Beam angle	120°
LED Type	2835 Sanan
Reel Length	5m
IP Rating	IP20
Power consumption p/m	12.8W
Current p/m	533mA
LED quantity p/m	120
LED spacing	8.3mm
Cut points	5cm
Cross-section	10 x 1.2mm
Weight	230g

This product is intended to be professionally installed, observing relevant electrical safety procedures.

Lyyt LED Tape has a self-adhesive backing to allow it to be easily attached to a clean, non-porous surface.

Where less than 5m of tape is needed, there are solder points as shown below, where the tape may be cut to size. These cut points are at 5cm intervals. To re-connect to another length of tape after cutting, solder a wire from “+” to “+” and a wire from “-” to “-” as shown below. Some accessories are supplied with the tape reel for this purpose. For best protection of this tape, we recommend inserting the tape into one of our Aluminium Profiles.



Each 5m reel of tape is fitted with a 2.1mm DC jack for power input for easy connection to a power supply. This connector may be removed and stripped for bare wire connection if a 2.1mm jack is not fitted to the power supply. If the power supply has enough capacity to power more than one reel, another reel can be connected to the end of the first reel.

For 24V tape, up to 25m can be linked in this manner. Using a separate wire to loop “+” and “-” back to the power supply will help to avoid dimming at the far end through voltage drop. To connect beyond these lengths, a parallel wire must be run from the power supply to the further reels of tape.



It is imperative that the power supply should have higher than the rated capacity in Amps (A) for the current required to power the length(s) of LED Tape installed. Likewise, if controllers and amplifiers/repeaters are used, these must have adequate capacity for the tape being controlled.

Please see the table below for reference.

Tape Length	5m	10m	15m	20m	25m
Current for 24V tape 120 LED/m	2.5A	5A	7.5A	10A	12.5A

Please visit www.avsl.com to select from our range of 24Vdc power supplies that are suitable for powering Lyyt LED Tapes.



This product is classed as Electrical or Electronic equipment and should not be disposed with other household or commercial waste at the end of its useful life. The goods must be disposed of according to your local council guidelines.

Errors and omissions excepted.

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